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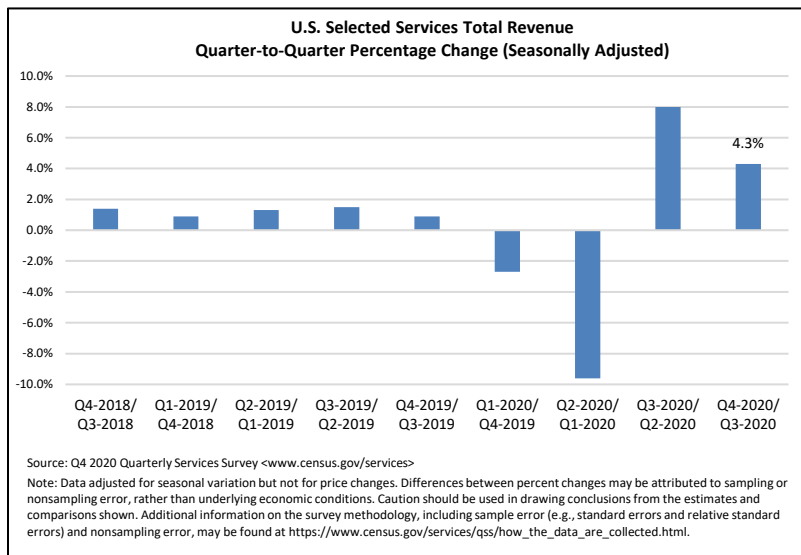
## QUARTERLY SELECTED SERVICES ESTIMATES, FOURTH QUARTER 2020 – ADVANCE REPORT

Release Number: CB21-31

**Statement Regarding COVID-19 Impact:** The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see [COVID-19 FAQs](#).

**February 19, 2021** — The U.S. Census Bureau announced the following selected services estimates for the fourth calendar quarter of 2020:

 <b>SELECTED SERVICES TOTAL REVENUE – ADVANCE REPORT</b>		
<b>4Q 2020</b>	<b>\$4,097.6 billion</b>	<b>+4.3 %</b>
<b>3Q 2020 (revised)</b>	<b>\$3,926.8 billion</b>	<b>+8.0 %</b>
<b>Next release: March 12, 2021</b>		
Data are adjusted for seasonal variation but not for price changes Source: U.S. Census Bureau, Quarterly Services Survey, February 19, 2021		



### Selected Services Total

Advance U.S. selected services total revenue for the fourth quarter of 2020, adjusted for seasonal variation but not for price changes, was \$4,097.6 billion, an increase of 4.3 percent ( $\pm 0.4$  percent) from the third quarter of 2020 and down 0.8 percent ( $\pm 0.4$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 7.8 percent ( $\pm 0.4$  percent) to 8.0 percent ( $\pm 0.4$  percent).

### Utilities

Advance U.S. utilities total revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$144.6 billion, a decrease of 8.9 percent ( $\pm 2.5$  percent) from the third quarter of 2020 and down 2.1 percent ( $\pm 0.8$  percent) from the fourth quarter of 2019.

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The second quarter of 2020 to third quarter of 2020 percentage change was not revised from the preliminary estimate of 21.9 percent ( $\pm 3.2$  percent).

### **Transportation and warehousing**

Advance U.S. transportation and warehousing revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$240.4 billion, an increase of 7.6 percent ( $\pm 2.5$  percent) from the third quarter of 2020 and down 12.3 percent ( $\pm 2.8$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 13.6 percent ( $\pm 0.6$  percent) to 15.1 percent ( $\pm 2.1$  percent).

### **Information**

Advance U.S. information sector revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$503.5 billion, an increase of 11.3 percent ( $\pm 0.9$  percent) from the third quarter of 2020 and up 6.9 percent ( $\pm 1.5$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 5.6 percent ( $\pm 0.8$  percent) to 5.3 percent ( $\pm 0.8$  percent).

### **Finance and insurance**

Advance U.S. finance and insurance revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$1,226.5 billion, an increase of 1.2 percent ( $\pm 0.4$  percent) from the third quarter of 2020 and virtually unchanged ( $\pm 1.1$  percent)\* from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 2.6 percent ( $\pm 0.4$  percent) to 2.9 percent ( $\pm 0.4$  percent).

### **Professional, scientific, and technical services**

Advance U.S. professional, scientific, and technical services revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$525.4 billion, an increase of 7.1 percent ( $\pm 0.9$  percent) from the third quarter of 2020 and down 2.0 percent ( $\pm 1.7$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 3.4 percent ( $\pm 0.9$  percent) to 3.2 percent ( $\pm 1.1$  percent).

### **Administrative and support and waste management and remediation services**

Advance U.S. administrative and support and waste management and remediation services revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$285.3 billion, an increase of 8.8 percent ( $\pm 2.3$  percent) from the third quarter of 2020 and down 0.1 percent ( $\pm 3.2$  percent)\* from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020

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percentage change was revised from the preliminary estimate of 8.3 percent ( $\pm 1.5$  percent) to 8.3 percent ( $\pm 1.9$  percent).

### **Educational services**

Advance U.S. educational services revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$17.0 billion, an increase of 9.0 percent ( $\pm 5.3$  percent) from the third quarter of 2020 and down 9.6 percent ( $\pm 4.9$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 17.3 percent ( $\pm 8.0$  percent) to 18.4 percent ( $\pm 8.1$  percent).

### **Health care and social assistance**

Advance U.S. health care and social assistance revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$749.9 billion, an increase of 7.1 percent ( $\pm 1.1$  percent) from the third quarter of 2020 and up 4.5 percent ( $\pm 1.3$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 9.4 percent ( $\pm 1.3$  percent) to 9.7 percent ( $\pm 1.1$  percent).

### **Arts, entertainment, and recreation**

Advance U.S. arts, entertainment, and recreation revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$52.0 billion, an increase of 8.6 percent ( $\pm 2.8$  percent) from the third quarter of 2020 and down 31.7 percent ( $\pm 3.2$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 51.3 percent ( $\pm 5.7$  percent) to 49.4 percent ( $\pm 4.9$  percent).

### **Accommodation**

Advance U.S. accommodation revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$38.7 billion, a decrease of 11.1 percent ( $\pm 1.5$  percent) from the third quarter of 2020 and down 43.6 percent ( $\pm 1.1$  percent) from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the preliminary estimate of 94.6 percent ( $\pm 4.0$  percent) to 95.0 percent ( $\pm 3.8$  percent).

### **Other services (except public administration)**

Advance U.S. other services (except public administration) revenue for the fourth quarter of 2020, not adjusted for seasonal variation or price changes, was \$171.1 billion, an increase of 18.8 percent ( $\pm 3.4$  percent) from the third quarter of 2020 and up 2.0 percent ( $\pm 3.6$  percent)\* from the fourth quarter of 2019. The second quarter of 2020 to third quarter of 2020 percentage change was revised from the

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preliminary estimate of 13.5 percent ( $\pm$  2.3 percent) to 14.1 percent ( $\pm$  3.0 percent).

## GENERAL INFORMATION

### Notes

The Advance Quarterly Services Report contains current quarter not seasonally adjusted estimates of revenue for a subset of industries found in the Full Quarterly Services Report. In addition, prior quarter not seasonally adjusted estimates for all items and industry levels have been revised and are available here [<www.census.gov/econ/currentdata/>](http://www.census.gov/econ/currentdata/).

The Selected Services Total is the only seasonally adjusted estimate that is updated in the Advance Report. Seasonally adjusted estimates for all other industry levels have not been revised with this release. For more information on the Advance Quarterly Services Report, please visit [<www.census.gov/services/qss/advance\\_services\\_faqs/>](http://www.census.gov/services/qss/advance_services_faqs/).

### Intention to Expand Seasonal Adjustment

Beginning with the March 2021 release for the fourth quarter of 2020, we anticipate the introduction of new seasonally adjusted estimates of revenue for selected industries within NAICS sectors 48-49, 51, 54, 61, 81, and subsector 721 into the Full Quarterly Services Report. For more information, please visit our seasonal adjustment FAQs [<https://www.census.gov/services/qss/seasonally\\_adjusted\\_faqs.html>](https://www.census.gov/services/qss/seasonally_adjusted_faqs.html) and view the proposed table 1a and table 2 shells [<https://www.census.gov/services/qss/table\\_1a\\_2\\_shell\\_2020.xlsx>](https://www.census.gov/services/qss/table_1a_2_shell_2020.xlsx).

### NAICS 5111 Addition

Effective with the February 2021 advance release for the fourth quarter of 2020, an additional row has been added to the Advance Quarterly Services Report tables. The addition of NAICS industry group 5111 aligns the tables with the presentation of codes in the NAICS manual.

### Benchmarking

Effective with the February 2021 advance release for the fourth quarter of 2020, not seasonally adjusted quarterly services estimates have been revised to reflect historical corrections and results of the 2019 Service Annual Survey. The seasonally adjusted Selected Services Total has been revised to reflect historical corrections, results of the 2019 Service Annual Survey, and new seasonal factors.

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## Release Schedule

The fourth quarter 2020 Quarterly Services Report is scheduled for release on March 12, 2021. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at <[www.census.gov/services/](http://www.census.gov/services/)>.

## RESOURCES

### API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

<[www.census.gov/developers/](http://www.census.gov/developers/)>

### FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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\*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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**Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.  
For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2020 (a)	3Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	4Q 2019 from 3Q 2019 (r)	4Q 2020 from 4Q 2019 (a)
	<b>Selected Services Total<sup>2</sup></b>	<b>4,146,768</b>	<b>3,938,562</b>	<b>4,186,283</b>	<b>4,109,318</b>	<b>5.3</b>	<b>1.9</b>	<b>-0.9</b>
<b>22</b>	<b>Utilities<sup>3</sup></b>	<b>144,590</b>	<b>158,774</b>	<b>147,666</b>	<b>158,660</b>	<b>-8.9</b>	<b>-6.9</b>	<b>-2.1</b>
<b>48-49</b>	<b>Transportation and warehousing<sup>4</sup></b>	<b>240,428</b>	<b>223,455</b>	<b>274,119</b>	<b>275,764</b>	<b>7.6</b>	<b>-0.6</b>	<b>-12.3</b>
481	Air transportation.....	27,156	25,558	59,364	62,059	6.3	-4.3	-54.3
483	Water transportation.....	5,425	6,070	12,013	13,764	-10.6	-12.7	-54.8
484	Truck transportation.....	80,560	79,311	81,278	84,613	1.6	-3.9	-0.9
485	Transit and ground passenger transportation.....	9,966	7,405	15,499	13,609	34.6	13.9	-35.7
488	Support activities for transportation.....	56,458	50,854	50,641	50,100	11.0	1.1	11.5
492	Couriers and messengers.....	33,940	29,014	27,627	25,027	17.0	10.4	22.9
493	Warehousing and storage.....	11,829	10,821	11,301	10,289	9.3	9.8	4.7
<b>51</b>	<b>Information.....</b>	<b>503,549</b>	<b>452,225</b>	<b>471,074</b>	<b>437,932</b>	<b>11.3</b>	<b>7.6</b>	<b>6.9</b>
511	Publishing industries (except Internet).....	124,435	112,205	112,155	102,792	10.9	9.1	10.9
5112	Software publishers.....	103,612	92,287	90,399	80,278	12.3	12.6	14.6
512	Motion picture and sound recording industries.....	23,965	18,787	29,245	27,451	27.6	6.5	-18.1
517	Telecommunications.....	167,245	158,967	165,664	160,582	5.2	3.2	1.0
5171	Wired telecommunications carriers.....	80,762	78,465	81,116	80,136	2.9	1.2	-0.4
5172	Wireless telecommunications carriers (except satellite).....	74,489	68,684	72,458	68,495	8.5	5.8	2.8
518	Data processing, hosting, and related services.....	58,523	53,816	51,875	48,840	8.7	6.2	12.8
519	Other information services.....	79,607	64,887	63,452	55,431	22.7	14.5	25.5
<b>52</b>	<b>Finance and insurance<sup>5</sup></b>	<b>1,226,517</b>	<b>1,212,182</b>	<b>1,227,080</b>	<b>1,228,864</b>	<b>1.2</b>	<b>-0.1</b>	<b>Z</b>
522	Credit intermediation and related activities.....	327,330	324,673	368,967	375,201	0.8	-1.7	-11.3
524	Insurance carriers and related activities.....	688,581	690,286	662,495	663,913	-0.2	-0.2	3.9
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>S</b>	<b>187,790</b>	<b>195,598</b>	<b>199,138</b>	<b>S</b>	<b>-1.8</b>	<b>S</b>
531	Real estate.....	S	136,118	135,896	138,481	S	-1.9	S
532	Rental and leasing services.....	38,393	38,961	44,886	46,874	-1.5	-4.2	-14.5
<b>54</b>	<b>Professional, scientific, and technical services<sup>6</sup></b>	<b>525,398</b>	<b>490,723</b>	<b>536,348</b>	<b>521,384</b>	<b>7.1</b>	<b>2.9</b>	<b>-2.0</b>
5411	Legal services <sup>6</sup> .....	88,112	74,037	89,120	79,123	19.0	12.6	-1.1
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	38,814	39,521	37,295	37,978	-1.8	-1.8	4.1
5413	Architectural, engineering, and related services.....	80,015	79,768	89,709	90,619	0.3	-1.0	-10.8
5415	Computer systems design and related services.....	123,069	118,838	126,602	124,816	3.6	1.4	-2.8
5416	Management, scientific, and technical consulting services.....	71,622	66,507	73,450	73,381	7.7	0.1	-2.5
5418	Advertising, public relations, and related services.....	35,534	30,544	37,840	34,630	16.3	9.3	-6.1
<b>56</b>	<b>Administrative and support and waste management and remediation services.....</b>	<b>285,269</b>	<b>262,141</b>	<b>285,641</b>	<b>278,231</b>	<b>8.8</b>	<b>2.7</b>	<b>-0.1</b>
561	Administrative and support services.....	257,021	233,873	257,395	248,666	9.9	3.5	-0.1
562	Waste management and remediation services.....	S	28,268	28,246	29,565	S	-4.5	S
<b>61</b>	<b>Educational services<sup>7</sup></b>	<b>17,018</b>	<b>15,618</b>	<b>18,832</b>	<b>18,187</b>	<b>9.0</b>	<b>3.5</b>	<b>-9.6</b>
<b>62</b>	<b>Health care and social assistance.....</b>	<b>749,890</b>	<b>700,164</b>	<b>717,432</b>	<b>690,539</b>	<b>7.1</b>	<b>3.9</b>	<b>4.5</b>
	Health care and social assistance - taxable.....	361,882	343,127	356,883	344,792	5.5	3.5	1.4
	Health care and social assistance - tax-exempt.....	388,008	357,037	360,549	345,747	8.7	4.3	7.6
621	Ambulatory health care services.....	296,240	280,055	293,152	283,099	5.8	3.6	1.1
	Ambulatory health care services - taxable.....	264,808	250,689	262,873	253,648	5.6	3.6	0.7
	Ambulatory health care services - tax-exempt.....	31,432	29,366	30,279	29,451	7.0	2.8	3.8
6211	Offices of physicians - taxable.....	131,075	123,618	134,432	128,116	6.0	4.9	-2.5
6214	Outpatient care centers.....	49,544	45,386	48,556	46,390	9.2	4.7	2.0
6215	Medical and diagnostic laboratories - taxable.....	18,413	16,751	13,910	13,807	9.9	0.7	32.4
6219	Other ambulatory health care services.....	S	12,022	11,285	11,212	S	0.7	S
622	Hospitals.....	320,492	300,526	303,097	292,788	6.6	3.5	5.7
	Hospitals - taxable.....	36,893	34,861	35,153	33,798	5.8	4.0	4.9
	Hospitals - tax-exempt.....	283,599	265,665	267,944	258,990	6.8	3.5	5.8
623	Nursing and residential care facilities.....	67,618	64,341	64,967	63,079	5.1	3.0	4.1
	Nursing and residential care facilities - taxable.....	S	41,976	41,853	40,800	S	2.6	S
	Nursing and residential care facilities - tax-exempt.....	23,675	22,365	23,114	22,279	5.9	3.7	2.4
624	Social assistance.....	65,540	55,242	56,216	51,573	18.6	9.0	16.6
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>52,025</b>	<b>47,922</b>	<b>76,144</b>	<b>78,486</b>	<b>8.6</b>	<b>-3.0</b>	<b>-31.7</b>
711	Performing arts, spectator sports, and related industries.....	22,758	18,104	37,717	36,079	25.7	4.5	-39.7
712	Museums, historical sites, and similar institutions.....	5,989	4,420	5,665	5,318	35.5	6.5	5.7
713	Amusement, gambling, and recreation industries.....	23,278	25,398	32,762	37,089	-8.3	-11.7	-28.9



**Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.]

For additional information see [www.census.gov/services](http://www.census.gov/services)

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2020 (a)	3Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	4Q 2019 from 3Q 2019 (r)	4Q 2020 from 4Q 2019 (a)
<b>721</b>	<b>Accommodation.....</b>	<b>38,681</b>	<b>43,523</b>	<b>68,574</b>	<b>77,566</b>	<b>-11.1</b>	<b>-11.6</b>	<b>-43.6</b>
<b>81</b>	<b>Other services (except public administration) <sup>8</sup> .....</b>	<b>171,070</b>	<b>144,045</b>	<b>167,775</b>	<b>144,567</b>	<b>18.8</b>	<b>16.1</b>	<b>2.0</b>
811	Repair and maintenance.....	45,982	48,474	50,043	51,175	-5.1	-2.2	-8.1
812	Personal and laundry services.....	S	23,313	S	S	S	S	S

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/about/policies/quality/standards/standardf1.html](http://www.census.gov/about/policies/quality/standards/standardf1.html).

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 5, 6, 7, and 8 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(6) Excludes NAICS 54112 (Offices of notaries).

(7) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(8) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html). For NAICS 52, estimates may include unrealized gains (losses).



**Table A2. Selected Services - Advance Estimated Measures of Sampling Variability**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2020 (a)	3Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	4Q 2019 from 3Q 2019 (r)	4Q 2020 from 4Q 2019 (a)
	<b>Selected Services Total.....</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>22</b>	<b>Utilities.....</b>	<b>2.2</b>	<b>3.2</b>	<b>2.5</b>	<b>2.8</b>	<b>1.3</b>	<b>0.7</b>	<b>0.4</b>
<b>48-49</b>	<b>Transportation and warehousing.....</b>	<b>1.8</b>	<b>3.0</b>	<b>1.5</b>	<b>1.5</b>	<b>1.3</b>	<b>0.4</b>	<b>1.5</b>
481	Air transportation.....	20.1	28.7	4.9	4.8	6.0	0.3	5.6
483	Water transportation.....	15.8	17.9	7.3	7.6	1.8	0.5	3.1
484	Truck transportation.....	2.9	3.2	2.2	1.9	1.2	0.5	3.6
485	Transit and ground passenger transportation.....	5.1	4.9	3.3	3.4	3.9	0.9	2.1
488	Support activities for transportation.....	4.7	4.5	4.2	3.7	1.1	0.8	2.1
492	Couriers and messengers.....	5.3	4.7	4.5	3.8	0.9	0.8	1.2
493	Warehousing and storage.....	5.5	5.8	6.8	5.9	1.0	2.4	2.6
<b>51</b>	<b>Information.....</b>	<b>1.6</b>	<b>1.5</b>	<b>1.5</b>	<b>1.6</b>	<b>0.5</b>	<b>0.3</b>	<b>0.8</b>
511	Publishing industries (except Internet).....	3.4	3.1	2.9	3.2	0.9	0.7	2.2
5112	Software publishers.....	3.7	3.3	3.4	3.7	1.0	0.9	3.0
512	Motion picture and sound recording industries.....	2.2	2.7	1.9	1.7	1.8	1.1	1.1
517	Telecommunications.....	1.1	1.3	1.4	1.5	0.5	0.2	0.7
5171	Wired telecommunications carriers.....	1.8	1.9	2.0	2.0	0.6	0.2	0.9
5172	Wireless telecommunications carriers (except satellite).....	1.8	2.0	2.1	2.2	0.7	0.2	0.8
518	Data processing, hosting, and related services.....	3.4	3.4	3.4	3.5	0.5	0.6	1.6
519	Other information services.....	5.2	5.0	4.4	4.1	1.3	0.7	4.3
<b>52</b>	<b>Finance and insurance.....</b>	<b>1.8</b>	<b>1.7</b>	<b>2.2</b>	<b>2.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>
522	Credit intermediation and related activities.....	2.6	2.8	2.4	2.5	0.6	0.5	1.0
524	Insurance carriers and related activities.....	2.1	2.1	2.9	2.8	0.2	0.4	0.9
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>S</b>	<b>1.4</b>	<b>1.6</b>	<b>1.4</b>	<b>S</b>	<b>0.6</b>	<b>S</b>
531	Real estate.....	S	0.8	0.9	0.8	S	0.8	S
532	Rental and leasing services.....	3.8	3.7	4.3	4.0	0.4	1.0	0.9
<b>54</b>	<b>Professional, scientific, and technical services.....</b>	<b>3.2</b>	<b>3.3</b>	<b>2.4</b>	<b>2.3</b>	<b>0.5</b>	<b>0.7</b>	<b>0.9</b>
5411	Legal services.....	4.5	4.2	3.4	3.5	1.3	2.6	1.7
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	4.3	2.4	2.7	2.5	2.8	0.5	2.0
5413	Architectural, engineering, and related services.....	4.3	4.3	4.7	4.9	0.9	1.0	1.5
5415	Computer systems design and related services.....	5.5	5.4	2.8	2.9	1.1	1.1	2.9
5416	Management, scientific, and technical consulting services.....	3.3	3.2	3.7	4.1	1.5	0.8	1.0
5418	Advertising, public relations, and related services.....	2.7	2.5	2.7	2.9	1.0	0.7	2.0
<b>56</b>	<b>Administrative and support and waste management and remediation services.....</b>	<b>2.8</b>	<b>2.7</b>	<b>3.4</b>	<b>2.8</b>	<b>1.2</b>	<b>0.7</b>	<b>1.7</b>
561	Administrative and support services.....	3.1	3.1	3.8	3.2	1.3	0.7	1.9
562	Waste management and remediation services.....	S	5.0	4.1	3.5	S	1.5	S
<b>61</b>	<b>Educational services.....</b>	<b>4.3</b>	<b>5.3</b>	<b>3.1</b>	<b>4.0</b>	<b>2.8</b>	<b>2.0</b>	<b>2.6</b>
<b>62</b>	<b>Health care and social assistance.....</b>	<b>2.3</b>	<b>2.2</b>	<b>2.0</b>	<b>1.6</b>	<b>0.6</b>	<b>0.4</b>	<b>0.7</b>
	Health care and social assistance - taxable.....	2.7	2.8	2.6	2.2	0.5	0.4	0.3
	Health care and social assistance - tax-exempt.....	2.5	2.4	2.0	1.5	0.7	0.7	1.4
621	Ambulatory health care services.....	2.0	1.9	1.9	1.6	0.5	0.5	0.3
	Ambulatory health care services - taxable.....	2.4	2.3	2.2	1.8	0.5	0.5	0.4
	Ambulatory health care services - tax-exempt.....	5.2	4.7	4.8	4.5	0.7	0.7	0.8
6211	Offices of physicians - taxable.....	4.1	3.9	3.6	3.4	1.0	0.7	0.9
6214	Outpatient care centers.....	2.6	2.3	2.5	2.7	1.1	1.1	0.6
6215	Medical and diagnostic laboratories - taxable.....	3.5	4.0	3.9	3.9	0.9	0.3	1.7
6219	Other ambulatory health care services.....	S	2.4	2.4	2.4	S	0.6	S
622	Hospitals.....	4.4	3.9	3.1	2.6	0.9	0.9	2.0
	Hospitals - taxable.....	12.2	11.8	11.5	10.9	0.3	0.9	0.8
	Hospitals - tax-exempt.....	3.7	3.2	2.4	1.9	1.1	0.9	2.3
623	Nursing and residential care facilities.....	2.6	2.9	2.6	2.6	0.7	0.5	1.5
	Nursing and residential care facilities - taxable.....	S	3.1	2.8	2.7	S	0.9	S
	Nursing and residential care facilities - tax-exempt.....	3.7	4.2	3.8	3.1	1.0	0.8	1.0
624	Social assistance.....	6.3	5.8	3.7	3.4	2.2	1.1	3.9
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>4.7</b>	<b>4.5</b>	<b>3.1</b>	<b>2.4</b>	<b>1.5</b>	<b>1.7</b>	<b>1.7</b>
711	Performing arts, spectator sports, and related industries.....	5.8	9.3	5.1	2.9	4.8	3.4	2.4
712	Museums, historical sites, and similar institutions.....	6.6	7.3	3.2	4.5	4.5	2.9	5.0
713	Amusement, gambling, and recreation industries.....	7.2	6.7	4.8	3.7	1.9	1.1	1.9



**Table A2. Selected Services - Advance Estimated Measures of Sampling Variability**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.]

For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2020 (a)	3Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	4Q 2019 from 3Q 2019 (r)	4Q 2020 from 4Q 2019 (a)
721	Accommodation.....	1.6	2.1	1.4	2.2	0.8	1.0	0.6
81	Other services (except public administration).....	3.2	3.2	2.2	1.5	1.8	1.3	1.9
811	Repair and maintenance.....	3.4	3.8	2.5	2.5	1.4	1.0	1.9
812	Personal and laundry services.....	S	2.8	S	S	S	S	S

(a) Advance estimate. (r) Revised estimate.

S Corresponding estimate in Table A1 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).



**Table A3. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Seasonally Adjusted<sup>1</sup>**

[Estimates are adjusted for seasonal variation but not for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>2</sup>	Kind of business	Total revenue (millions of dollars)						Percent change					
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	2Q 2020 from 1Q 2020 (r)	1Q 2020 from 4Q 2019 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)
	<b>Selected Services Total<sup>3</sup></b> .....	<b>4,097,597</b>	<b>3,926,782</b>	<b>3,635,512</b>	<b>4,020,335</b>	<b>4,132,560</b>	<b>4,097,027</b>	<b>4.3</b>	<b>8.0</b>	<b>-9.6</b>	<b>-2.7</b>	<b>-0.8</b>	<b>-4.2</b>

(a) Advance estimate. (r) Revised estimate.

(1) The seasonal factors are based on a short time series that may not have stable seasonal patterns. As more estimates are added to the time series, large revisions in seasonal factors and consequently historical estimates may be observed. Data users should exercise caution when drawing inferences based on the seasonally adjusted estimates. Unless otherwise specified, seasonally adjusted estimates are obtained using a direct seasonal adjustment at the published NAICS (North American Industry Classification System) level.

(2) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(3) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Excludes government owned utilities, NAICS 482 (Rail transportation), NAICS 491 (Postal Service), NAICS 525 (Funds, trusts, and other financial vehicles), NAICS 54112 (Offices of notaries), NAICS 6111 (Elementary and secondary schools), NAICS 6112 (Junior colleges), NAICS 6113 (Colleges, universities, and professional schools), NAICS 8131 (Religious organizations), NAICS 81393 (Labor unions and similar labor organizations), NAICS 81394 (Political organizations), and NAICS 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown.

Estimated measures of sampling variability may be found in Table A5 and at

<https://www.census.gov/econ/currentdata/dbsearch?program=QSS&startYear=2003&endYear=2020&categories=000000A&dataType=QREV&geoLevel=US&adjusted=1&notAdjusted=0&errorData=0>.

Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).



**Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
	<b>Selected Services Total <sup>2</sup></b>	<b>4,146,768</b>	<b>3,938,562</b>	<b>3,639,148</b>	<b>3,951,989</b>	<b>4,186,283</b>	<b>4,109,318</b>	<b>5.3</b>	<b>8.2</b>	<b>-0.9</b>	<b>-4.2</b>	<b>15,676,467</b>	<b>16,255,975</b>	<b>-3.6</b>
<b>22</b>	<b>Utilities <sup>3</sup></b>	<b>144,590</b>	<b>158,774</b>	<b>130,224</b>	<b>150,119</b>	<b>147,666</b>	<b>158,660</b>	<b>-8.9</b>	<b>21.9</b>	<b>-2.1</b>	<b>0.1</b>	<b>583,707</b>	<b>600,215</b>	<b>-2.8</b>
2211	Electric power generation, transmission and distribution.....	X	137,129	106,540	110,659	111,471	135,973	X	28.7	X	0.9	X	472,681	X
2212	Natural gas distribution.....	X	17,105	19,898	35,896	32,389	18,271	X	-14.0	X	-6.4	X	112,036	X
2213	Water, sewage and other systems.....	X	4,540	3,786	3,564	3,806	4,416	X	19.9	X	2.8	X	15,498	X
<b>48-49</b>	<b>Transportation and warehousing <sup>4</sup></b>	<b>240,428</b>	<b>223,455</b>	<b>194,176</b>	<b>246,885</b>	<b>274,119</b>	<b>275,764</b>	<b>7.6</b>	<b>15.1</b>	<b>-12.3</b>	<b>-19.0</b>	<b>904,944</b>	<b>1,074,545</b>	<b>-15.8</b>
481	Air transportation.....	27,156	25,558	S	45,664	59,364	62,059	6.3	S	-54.3	-58.8	S	236,810	S
483	Water transportation.....	5,425	6,070	6,061	10,592	12,013	13,764	-10.6	0.1	-54.8	-55.9	28,148	48,852	-42.4
4831	Deep sea, coastal, and Great Lakes water transportation.....	X	4,625	4,350	8,944	10,152	11,861	X	6.3	X	-61.0	X	41,645	X
4832	Inland water transportation.....	X	1,445	1,711	1,648	1,861	1,903	X	-15.5	X	-24.1	X	7,207	X
484	Truck transportation.....	80,560	79,311	69,504	76,675	81,278	84,613	1.6	14.1	-0.9	-6.3	306,050	324,226	-5.6
4841	General freight trucking.....	X	52,998	46,672	52,407	54,594	56,307	X	13.6	X	-5.9	X	217,401	X
48412	General freight trucking, long-distance.....	X	43,124	38,055	43,109	44,709	46,398	X	13.3	X	-7.1	X	179,162	X
4842	Specialized freight trucking.....	X	26,313	22,832	24,268	26,684	28,306	X	15.2	X	-7.0	X	106,825	X
485	Transit and ground passenger transportation.....	9,966	7,405	7,360	13,430	15,499	13,609	34.6	0.6	-35.7	-45.6	38,161	56,449	-32.4
486	Pipeline transportation.....	X	14,029	13,083	15,341	15,524	14,549	X	7.2	X	-3.6	X	58,697	X
487	Scenic and sightseeing transportation.....	X	393	160	585	872	1,754	X	145.6	X	-77.6	X	4,464	X
488	Support activities for transportation.....	56,458	50,854	44,459	48,323	50,641	50,100	11.0	14.4	11.5	1.5	200,094	201,519	-0.7
492	Couriers and messengers.....	33,940	29,014	28,289	26,012	27,627	25,027	17.0	2.6	22.9	15.9	117,255	101,699	15.3
493	Warehousing and storage.....	11,829	10,821	9,769	10,263	11,301	10,289	9.3	10.8	4.7	5.2	42,682	41,829	2.0
<b>51</b>	<b>Information.....</b>	<b>503,549</b>	<b>452,225</b>	<b>429,424</b>	<b>440,291</b>	<b>471,074</b>	<b>437,932</b>	<b>11.3</b>	<b>5.3</b>	<b>6.9</b>	<b>3.3</b>	<b>1,825,489</b>	<b>1,767,185</b>	<b>3.3</b>
511	Publishing industries (except Internet).....	124,435	112,205	108,931	106,486	112,155	102,792	10.9	3.0	10.9	9.2	452,057	417,451	8.3
5111	Newspaper, periodical, book, and directory publishers.....	X	19,918	17,234	18,645	21,756	22,514	X	15.6	X	-11.5	X	85,939	X
51111	Newspaper publishers.....	X	4,892	4,680	5,408	6,113	5,627	X	4.5	X	-13.1	X	23,442	X
51112	Periodical publishers.....	X	5,602	5,040	5,916	6,662	6,468	X	11.2	X	-13.4	X	26,156	X
5111 pt	Book, directory and mailing list, and other publishers <sup>5</sup> .....	X	9,424	7,514	7,321	8,981	10,419	X	25.4	X	-9.5	X	36,341	X
5112	Software publishers.....	103,612	92,287	91,697	87,841	90,399	80,278	12.3	0.6	14.6	15.0	375,437	331,512	13.2
512	Motion picture and sound recording industries.....	23,965	18,787	18,632	24,262	29,245	27,451	27.6	0.8	-18.1	-31.6	85,646	113,444	-24.5
515	Broadcasting (except Internet).....	X	43,563	39,723	44,776	48,683	42,836	X	9.7	X	1.7	X	177,482	X
5151	Radio and television broadcasting.....	X	20,737	18,418	22,620	24,418	20,184	X	12.6	X	2.7	X	85,039	X
5152	Cable and other subscription programming.....	X	22,826	21,305	22,156	24,265	22,652	X	7.1	X	0.8	X	92,443	X
517	Telecommunications.....	167,245	158,967	155,502	158,055	165,664	160,582	5.2	2.2	1.0	-1.0	639,769	643,840	-0.6
5171	Wired telecommunications carriers.....	80,762	78,465	78,107	79,000	81,116	80,136	2.9	0.5	-0.4	-2.1	316,334	320,681	-1.4
5172	Wireless telecommunications carriers (except satellite).....	74,489	68,684	65,534	67,416	72,458	68,495	8.5	4.8	2.8	0.3	276,123	276,114	Z
517 pt	Other telecommunications <sup>6</sup> .....	X	11,818	11,861	11,639	12,090	11,951	X	-0.4	X	-1.1	X	47,045	X
518	Data processing, hosting, and related services.....	58,523	53,816	50,787	50,771	51,875	48,840	8.7	6.0	12.8	10.2	213,897	191,546	11.7
519	Other information services.....	79,607	64,887	55,849	55,941	63,452	55,431	22.7	16.2	25.5	17.1	256,284	223,422	14.7
<b>52</b>	<b>Finance and insurance <sup>7</sup></b>	<b>1,226,517</b>	<b>1,212,182</b>	<b>1,178,091</b>	<b>1,220,360</b>	<b>1,227,080</b>	<b>1,228,864</b>	<b>1.2</b>	<b>2.9</b>	<b>Z</b>	<b>-1.4</b>	<b>4,837,150</b>	<b>4,859,905</b>	<b>-0.5</b>
52 pt	Finance and insurance (except monetary authorities-central bank) <sup>8</sup> .....	X	1,183,373	1,153,114	1,194,585	1,201,398	1,204,288	X	2.6	X	-1.7	X	4,756,059	X
521	Monetary authorities-central bank.....	X	28,809	24,977	25,775	25,682	24,576	X	15.3	X	17.2	X	103,846	X
522	Credit intermediation and related activities.....	327,330	324,673	320,801	354,590	368,967	375,201	0.8	1.2	-11.3	-13.5	1,327,394	1,482,029	-10.4
5221	Depository credit intermediation.....	X	150,351	147,581	159,039	165,145	169,527	X	1.9	X	-11.3	X	665,983	X
5222	Nondepository credit intermediation.....	X	144,357	146,351	167,426	174,412	177,066	X	-1.4	X	-18.5	X	703,131	X
5223	Activities related to credit intermediation.....	X	29,965	26,869	28,125	29,410	28,608	X	11.5	X	4.7	X	112,915	X
523	Securities, commodity contracts, and other financial investments and related activities.....	X	168,414	179,931	165,476	169,936	165,174	X	-6.4	X	2.0	X	653,257	X
5231	Securities and commodity contracts intermediation and brokerage.....	X	63,508	75,734	64,830	63,788	66,035	X	-16.1	X	-3.8	X	258,359	X
5232	Securities and commodity exchanges.....	X	3,645	3,817	4,360	3,254	3,461	X	-4.5	X	5.3	X	13,350	X
5239	Other financial investment activities.....	X	101,261	100,380	96,286	102,894	95,678	X	0.9	X	5.8	X	381,548	X
524	Insurance carriers and related activities.....	688,581	690,286	652,382	674,519	662,495	663,913	-0.2	5.8	3.9	4.0	2,705,768	2,620,773	3.2
5241	Insurance carriers.....	X	590,655	559,455	575,530	568,080	568,057	X	5.6	X	4.0	X	2,248,760	X
5242	Agencies, brokerages, and other insurance related activities.....	X	99,631	92,927	98,989	94,415	95,856	X	7.2	X	3.9	X	372,013	X
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>S</b>	<b>187,790</b>	<b>157,607</b>	<b>174,738</b>	<b>195,598</b>	<b>199,138</b>	<b>S</b>	<b>19.2</b>	<b>S</b>	<b>-5.7</b>	<b>S</b>	<b>756,713</b>	<b>S</b>
531	Real estate.....	S	136,118	115,542	122,529	135,896	138,481	S	17.8	S	-1.7	S	523,961	S
5311	Lessors of real estate.....	X	67,961	63,793	70,453	73,187	72,517	X	6.5	X	-6.3	X	283,541	X
5312	Offices of real estate agents and brokers.....	X	39,444	26,828	25,999	33,943	37,059	X	47.0	X	6.4	X	131,582	X
5313	Activities related to real estate.....	X	28,713	24,921	26,077	28,766	28,905	X	15.2	X	-0.7	X	108,838	X
532	Rental and leasing services.....	38,393	38,961	31,737	40,193	44,886	46,874	-1.5	22.8	-14.5	-16.9	149,284	178,435	-16.3
5321	Automotive equipment rental and leasing.....	X	16,505	10,905	15,995	18,310	19,875	X	51.4	X	-17.0	X	73,304	X
53211	Passenger car rental and leasing.....	X	9,394	S	S	11,630	12,911	X	S	X	-27.2	X	46,752	X
53212	Truck, utility trailer, and RV (Recreational Vehicle) rental and leasing.....	X	7,111	6,162	6,170	6,680	6,964	X	15.4	X	2.1	X	26,552	X
5322	Consumer goods rental.....	X	4,934	4,526	5,007	5,216	5,421	X	9.0	X	-9.0	X	21,075	X
5323	General rental centers.....	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing.....	X	16,665	15,529	18,530	20,479	20,595	X	7.3	X	-19.1	X	80,498	X
533	Lessors of nonfinancial intangible assets (except copyrighted works).....	X	S	10,328	12,016	S	13,783	X	S	X	S	X	S	X



Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
54	Professional, scientific, and technical services <sup>9</sup>	525,398	490,723	475,504	513,361	536,348	521,384	7.1	3.2	-2.0	-5.9	2,004,986	2,065,742	-2.9
5411	Legal services <sup>9</sup>	88,112	74,037	71,620	70,800	89,120	79,123	19.0	3.4	-1.1	-6.4	304,569	311,500	-2.2
5412	Accounting, tax preparation, bookkeeping, and payroll services	38,814	39,521	39,782	49,220	37,295	37,978	-1.8	-0.7	4.1	4.1	167,337	167,237	0.1
5413	Architectural, engineering, and related services	80,015	79,768	79,639	86,177	89,709	90,619	0.3	0.2	-10.8	-12.0	325,599	350,372	-7.1
5413 pt	Architectural and related services <sup>10</sup>	X	20,802	20,171	22,539	21,747	22,364	X	3.1	X	-7.0	X	85,474	X
54133	Engineering services	X	58,966	59,468	63,638	67,962	68,255	X	-0.8	X	-13.6	X	264,898	X
5414	Specialized design services	X	5,451	4,414	6,406	7,298	6,974	X	23.5	X	-21.8	X	27,479	X
5415	Computer systems design and related services	123,069	118,838	120,476	125,510	126,602	124,816	3.6	-1.4	-2.8	-4.8	487,893	494,255	-1.3
5416	Management, scientific, and technical consulting services	71,622	66,507	63,283	69,984	73,450	73,381	7.7	5.1	-2.5	-9.4	271,396	284,006	-4.4
5417	Scientific research and development services	X	50,837	45,927	47,893	49,405	48,627	X	10.7	X	4.5	X	192,956	X
5418	Advertising, public relations, and related services	35,534	30,544	27,235	33,554	37,840	34,630	16.3	12.1	-6.1	-11.8	126,867	138,606	-8.5
5419	Other professional, scientific, and technical services	X	S	23,128	23,817	S	S	X	S	X	S	X	S	X
56	Administrative and support and waste management and remediation services	285,269	262,141	242,065	266,205	285,641	278,231	8.8	8.3	-0.1	-5.8	1,055,680	1,092,691	-3.4
561	Administrative and support services	257,021	233,873	216,060	238,771	257,395	248,666	9.9	8.2	-0.1	-5.9	945,725	978,915	-3.4
5613	Employment services	X	101,908	94,576	106,453	115,571	107,709	X	7.8	X	-5.4	X	429,817	X
5615	Travel arrangement and reservation services	X	5,854	2,840	12,793	15,943	17,459	X	106.1	X	-66.5	X	66,064	X
561 pt	Other administrative and support services <sup>11</sup>	X	126,111	118,644	119,525	125,881	123,498	X	6.3	X	2.1	X	483,034	X
562	Waste management and remediation services	S	28,268	26,005	27,434	28,246	29,565	S	8.7	S	-4.4	S	113,776	S
61	Educational services <sup>12</sup>	17,018	15,618	13,192	17,256	18,832	18,187	9.0	18.4	-9.6	-14.1	63,084	73,462	-14.1
6114	Business schools and computer and management training	X	3,442	2,828	2,858	3,445	3,449	X	21.7	X	-0.2	X	13,216	X
6115	Technical and trade schools	X	3,321	2,992	3,312	3,620	3,277	X	11.0	X	1.3	X	13,833	X
6116	Other schools and instruction	X	4,600	3,527	6,633	6,952	6,781	X	30.4	X	-32.2	X	27,327	X
6117	Educational support services	X	4,255	3,845	4,453	4,815	4,680	X	10.7	X	-9.1	X	19,086	X
62	Health care and social assistance	749,890	700,164	638,186	683,295	717,432	690,539	7.1	9.7	4.5	1.4	2,771,535	2,781,505	-0.4
	Health care and social assistance - taxable	361,882	343,127	296,079	343,417	356,883	344,792	5.5	15.9	1.4	-0.5	1,344,505	1,378,047	-2.4
	Health care and social assistance - tax-exempt	388,008	357,037	342,107	339,878	360,549	345,747	8.7	4.4	7.6	3.3	1,427,030	1,403,458	1.7
621	Ambulatory health care services	296,240	280,055	238,837	279,294	293,152	283,099	5.8	17.3	1.1	-1.1	1,094,426	1,130,228	-3.2
	Ambulatory health care services - taxable	264,808	250,689	211,270	250,368	262,873	253,648	5.6	18.7	0.7	-1.2	977,135	1,011,630	-3.4
	Ambulatory health care services - tax-exempt	31,432	29,366	27,567	28,926	30,279	29,451	7.0	6.5	3.8	-0.3	117,291	118,598	-1.1
6211	Offices of physicians - taxable	131,075	123,618	110,115	126,488	134,432	128,116	6.0	12.3	-2.5	-3.5	491,296	511,085	-3.9
6212	Offices of dentists - taxable	X	S	S	33,007	S	S	X	S	X	S	X	S	X
6213	Offices of other health practitioners - taxable	X	S	S	25,079	S	24,192	X	S	X	S	X	S	X
6214	Outpatient care centers	49,544	45,386	41,254	46,091	48,556	46,390	9.2	10.0	2.0	-2.2	182,275	187,131	-2.6
	Outpatient care centers - taxable	X	26,197	23,156	26,316	27,730	26,369	X	13.1	X	-0.7	X	105,975	X
	Outpatient care centers - tax-exempt	X	19,189	18,098	19,775	20,826	20,021	X	6.0	X	-4.2	X	81,156	X
6215	Medical and diagnostic laboratories - taxable	18,413	16,751	12,078	13,187	13,910	13,807	9.9	38.7	32.4	21.3	60,429	55,454	9.0
6216	Home health care services	X	25,641	23,963	24,601	24,941	24,807	X	7.0	X	3.4	X	97,719	X
	Home health care services - taxable	X	19,900	18,358	19,222	19,415	19,396	X	8.4	X	2.6	X	76,042	X
	Home health care services - tax-exempt	X	5,741	5,605	5,379	5,526	5,411	X	2.4	X	6.1	X	21,677	X
6219	Other ambulatory health care services	S	12,022	10,861	10,841	11,285	11,212	S	10.7	S	7.2	S	43,930	S
	Other ambulatory health care services - taxable	X	7,586	6,997	7,069	7,358	7,193	X	8.4	X	5.5	X	28,165	X
	Other ambulatory health care services - tax-exempt	X	4,436	3,864	3,772	S	4,019	X	14.8	X	10.4	X	S	X
622	Hospitals	320,492	300,526	281,665	285,533	303,097	292,788	6.6	6.7	5.7	2.6	1,188,216	1,187,120	0.1
	Hospitals - taxable	36,893	34,861	29,856	33,700	35,153	33,798	5.8	16.8	4.9	3.1	135,310	137,504	-1.6
	Hospitals - tax-exempt	283,599	265,665	251,809	251,833	267,944	258,990	6.8	5.5	5.8	2.6	1,052,906	1,049,616	0.3
6221	General medical and surgical hospitals	X	280,920	263,755	266,947	283,824	274,182	X	6.5	X	2.5	X	1,112,453	X
	General medical and surgical hospitals - taxable	X	28,384	23,699	27,424	28,879	27,727	X	19.8	X	2.4	X	112,736	X
	General medical and surgical hospitals - tax-exempt	X	252,536	240,056	239,523	254,945	246,455	X	5.2	X	2.5	X	999,717	X
6222	Psychiatric and substance abuse hospitals	X	6,626	6,304	6,712	6,651	6,282	X	5.1	X	5.5	X	25,544	X
	Psychiatric and substance abuse hospitals - taxable	X	1,917	1,751	1,892	1,909	1,850	X	9.5	X	3.6	X	7,445	X
	Psychiatric and substance abuse hospitals - tax-exempt	X	4,709	4,553	4,820	4,742	4,432	X	3.4	X	6.3	X	18,099	X
6223	Specialty (except psychiatric and substance abuse) hospitals	X	12,980	11,606	11,874	12,622	12,324	X	11.8	X	5.3	X	49,123	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable	X	4,560	4,406	4,384	4,365	4,221	X	3.5	X	8.0	X	17,323	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt	X	8,420	7,200	7,490	8,257	8,103	X	16.9	X	3.9	X	31,800	X
623	Nursing and residential care facilities	67,618	64,341	65,335	64,078	64,967	63,079	5.1	-1.5	4.1	2.0	261,372	252,537	3.5
	Nursing and residential care facilities - taxable	S	41,976	42,030	41,911	41,853	40,800	S	-0.1	S	2.9	S	162,645	S
	Nursing and residential care facilities - tax-exempt	23,675	22,365	23,305	22,167	23,114	22,279	5.9	-4.0	2.4	0.4	91,512	89,892	1.8
624	Social assistance	65,540	55,242	52,349	54,390	56,216	51,573	18.6	5.5	16.6	7.1	227,521	211,620	7.5
	Social assistance - taxable	X	15,601	12,923	S	S	16,546	X	20.7	X	-5.7	X	S	X
	Social assistance - tax-exempt	X	39,641	39,426	36,952	39,212	35,027	X	0.5	X	13.2	X	145,352	X
6241	Individual and family services	X	31,028	28,269	28,502	29,112	27,405	X	9.8	X	13.2	X	111,337	X
6242	Community food and housing, and emergency and other relief services	X	11,247	13,324	9,652	11,004	9,035	X	-15.6	X	24.5	X	37,673	X
6243	Vocational rehabilitation services	X	2,974	2,775	3,256	3,762	3,540	X	7.2	X	-16.0	X	14,284	X
6244	Child day care services	X	9,993	7,981	12,980	12,338	11,593	X	25.2	X	-13.8	X	48,326	X
	Child day care services - taxable	X	6,310	S	S	8,155	7,589	X	S	X	-16.9	X	S	X
	Child day care services - tax-exempt	X	3,683	3,380	4,616	4,183	4,004	X	9.0	X	-8.0	X	16,961	X



**Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>52,025</b>	<b>47,922</b>	<b>32,071</b>	<b>57,871</b>	<b>76,144</b>	<b>78,486</b>	<b>8.6</b>	<b>49.4</b>	<b>-31.7</b>	<b>-38.9</b>	<b>189,889</b>	<b>295,007</b>	<b>-35.6</b>
	Arts, entertainment, and recreation - taxable.....	X	37,620	23,091	48,034	62,750	64,544	X	62.9	X	-41.7	X	241,618	X
	Arts, entertainment, and recreation - tax-exempt.....	X	10,302	8,980	9,837	13,394	13,942	X	14.7	X	-26.1	X	53,389	X
711	Performing arts, spectator sports, and related industries.....	22,758	18,104	12,051	24,033	37,717	36,079	25.7	50.2	-39.7	-49.8	76,946	134,597	-42.8
	Performing arts, spectator sports, and related industries - taxable.....	X	16,415	10,542	21,426	34,269	32,279	X	55.7	X	-49.1	X	120,609	X
	Performing arts, spectator sports, and related industries - tax-exempt.....	X	1,689	1,509	2,607	3,448	3,800	X	11.9	X	-55.6	X	13,988	X
7111	Performing arts companies.....	X	1,276	1,272	3,447	4,856	4,684	X	0.3	X	-72.8	X	17,770	X
	Performing arts companies - taxable.....	X	451	455	2,055	2,982	2,870	X	-0.9	X	-84.3	X	10,603	X
	Performing arts companies - tax-exempt.....	X	825	817	1,392	1,874	1,814	X	1.0	X	-54.5	X	7,167	X
7112	Spectator sports - taxable.....	X	8,469	3,752	8,034	14,812	13,202	X	125.7	X	-35.9	X	49,324	X
7113	Promoters of performing arts, sports, and similar events.....	X	3,310	1,336	4,911	9,054	9,626	X	147.8	X	-65.6	X	33,872	X
	Promoters of performing arts, sports, and similar events - taxable.....	X	2,446	644	3,696	7,480	7,640	X	279.8	X	-68.0	X	27,051	X
	Promoters of performing arts, sports, and similar events - tax-exempt.....	X	864	692	1,215	1,574	1,986	X	24.9	X	-56.5	X	6,821	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures - taxable.....	X	1,314	1,076	2,139	2,731	2,224	X	22.1	X	-40.9	X	9,472	X
7115	Independent artists, writers, and performers - taxable.....	X	S	4,615	5,502	6,264	6,343	X	S	X	S	X	24,159	X
712	Museums, historical sites, and similar institutions.....	5,989	4,420	3,735	3,029	5,665	5,318	35.5	18.3	5.7	-16.9	17,173	20,830	-17.6
	Museums, historical sites, and similar institutions - tax-exempt.....	X	4,002	3,529	2,650	5,086	4,725	X	13.4	X	-15.3	X	18,744	X
713	Amusement, gambling, and recreation industries.....	23,278	25,398	16,285	30,809	32,762	37,089	-8.3	56.0	-28.9	-31.5	95,770	139,580	-31.4
	Amusement, gambling, and recreation industries - taxable.....	X	20,787	12,343	26,229	27,902	31,672	X	68.4	X	-34.4	X	118,923	X
	Amusement, gambling, and recreation industries - tax-exempt.....	X	4,611	3,942	4,580	4,860	5,417	X	17.0	X	-14.9	X	20,657	X
7131	Amusement parks and arcades - taxable.....	X	2,578	1,095	3,858	5,508	7,639	X	135.4	X	-66.3	X	24,454	X
7132	Gambling industries - taxable.....	X	6,308	3,388	6,404	6,992	6,980	X	86.2	X	-9.6	X	28,217	X
7139	Other amusement and recreation industries.....	X	16,512	11,802	20,547	20,262	22,470	X	39.9	X	-26.5	X	S	X
	Other amusement and recreation industries - taxable.....	X	11,901	7,860	15,967	S	S	X	51.4	X	S	X	S	X
	Other amusement and recreation industries - tax-exempt.....	X	4,611	3,942	4,580	4,860	5,417	X	17.0	X	-14.9	X	20,657	X
<b>721</b>	<b>Accommodation.....</b>	<b>38,681</b>	<b>43,523</b>	<b>22,324</b>	<b>54,960</b>	<b>68,574</b>	<b>77,566</b>	<b>-11.1</b>	<b>95.0</b>	<b>-43.6</b>	<b>-43.9</b>	<b>159,488</b>	<b>285,477</b>	<b>-44.1</b>
7211	Traveler accommodation.....	X	41,405	20,924	53,335	66,657	74,605	X	97.9	X	-44.5	X	276,168	X
7212	RV (recreational vehicle) parks and recreational camps.....	X	1,658	1,108	1,087	1,318	2,334	X	49.6	X	-29.0	X	7,146	X
7213	Rooming and boarding houses.....	X	460	292	538	599	627	X	57.5	X	-26.6	X	2,163	X
<b>81</b>	<b>Other services (except public administration) <sup>13</sup>.....</b>	<b>171,070</b>	<b>144,045</b>	<b>126,284</b>	<b>126,648</b>	<b>167,775</b>	<b>144,567</b>	<b>18.8</b>	<b>14.1</b>	<b>2.0</b>	<b>-0.4</b>	<b>568,047</b>	<b>603,528</b>	<b>-5.9</b>
811	Repair and maintenance.....	45,982	48,474	42,277	49,913	50,043	51,175	-5.1	14.7	-8.1	-5.3	186,646	200,703	-7.0
8111	Automotive repair and maintenance.....	X	31,411	26,901	32,148	32,359	32,940	X	16.8	X	-4.6	X	128,840	X
8112	Electronic and precision equipment repair and maintenance.....	X	4,284	3,981	4,868	4,675	4,506	X	7.6	X	-4.9	X	18,478	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance.....	X	9,730	8,810	10,706	10,629	11,130	X	10.4	X	-12.6	X	43,606	X
8114	Personal and household goods repair and maintenance.....	X	S	S	2,191	2,380	2,599	X	S	X	S	X	S	X
812	Personal and laundry services.....	S	23,313	18,681	S	S	S	S	24.8	S	S	S	S	S
8121	Personal care services.....	X	S	S	S	S	S	X	S	X	S	X	S	X
8122	Death care services.....	X	5,214	4,884	5,040	4,644	4,629	X	6.8	X	12.6	X	18,644	X
8123	Drycleaning and laundry services.....	X	6,173	5,602	7,006	7,354	7,208	X	10.2	X	-14.4	X	28,645	X
8129	Other personal services.....	X	S	S	S	S	S	X	S	X	S	X	S	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt <sup>14</sup> .....	X	72,258	65,326	47,649	85,172	62,238	X	10.6	X	16.1	X	279,113	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/about/policies/quality/standards/standardf1.html](http://www.census.gov/about/policies/quality/standards/standardf1.html).

X Estimate is not available for advance release.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications) and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A5 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html). For NAICS 52, estimates may include unrealized gains (losses).



Table A5. Selected Services - Advance Estimated Measures of Sampling Variability  
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change <sup>1</sup>				Year to Date		
												Coefficient of variation		Standard error
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
	Selected Services Total.....	0.9	0.9	0.9	0.8	0.9	0.9	0.2	0.2	0.2	0.1	0.9	0.9	0.1
22	Utilities.....	2.2	3.2	2.4	2.0	2.5	2.8	1.3	1.7	0.4	0.8	2.4	2.4	0.4
2211	Electric power generation, transmission and distribution.....	X	3.6	2.9	3.0	3.2	3.2	X	2.4	X	0.9	X	3.0	X
2212	Natural gas distribution.....	X	5.8	4.7	4.1	5.1	6.8	X	1.7	X	1.4	X	5.6	X
2213	Water, sewage and other systems.....	X	5.4	4.7	5.5	5.1	5.0	X	3.6	X	3.5	X	5.0	X
48-49	Transportation and warehousing.....	1.8	3.0	2.3	1.6	1.5	1.5	1.3	1.1	1.5	1.8	2.0	1.5	1.0
481	Air transportation.....	20.1	28.7	S	5.4	4.9	4.8	6.0	S	5.6	7.8	S	5.2	S
483	Water transportation.....	15.8	17.9	14.2	9.2	7.3	7.6	1.8	4.4	3.1	3.6	13.3	7.5	2.6
4831	Deep sea, coastal, and Great Lakes water transportation.....	X	22.8	19.8	11.0	8.7	8.6	X	5.6	X	4.3	X	8.8	X
4832	Inland water transportation.....	X	5.3	4.9	4.3	4.3	3.9	X	2.4	X	2.4	X	4.0	X
484	Truck transportation.....	2.9	3.2	3.6	2.2	2.2	1.9	1.2	0.9	3.6	3.1	2.6	1.8	2.4
4841	General freight trucking.....	X	4.4	5.1	3.3	3.2	2.9	X	1.7	X	4.2	X	2.8	X
48412	General freight trucking, long-distance.....	X	5.6	6.7	4.6	4.5	4.3	X	2.2	X	5.2	X	4.1	X
4842	Specialized freight trucking.....	X	3.4	3.5	2.8	3.0	2.4	X	1.5	X	3.2	X	2.5	X
485	Transit and ground passenger transportation.....	5.1	4.9	4.6	3.9	3.3	3.4	3.9	1.5	2.1	1.6	4.3	3.4	1.4
486	Pipeline transportation.....	X	1.4	1.5	1.5	1.2	1.2	X	0.3	X	0.3	X	1.2	X
487	Scenic and sightseeing transportation.....	X	7.8	8.4	8.8	8.1	7.7	X	32.8	X	1.9	X	7.1	X
488	Support activities for transportation.....	4.7	4.5	4.2	4.0	4.2	3.7	1.1	0.8	2.1	1.1	4.3	3.6	1.2
492	Couriers and messengers.....	5.3	4.7	4.1	5.4	4.5	3.8	0.9	0.6	1.2	1.3	4.9	3.7	1.4
493	Warehousing and storage.....	5.5	5.8	6.1	6.6	6.8	5.9	1.0	0.7	2.6	2.3	5.9	5.7	2.0
51	Information.....	1.6	1.5	1.6	1.5	1.5	1.6	0.5	0.4	0.8	0.6	1.5	1.5	0.4
511	Publishing industries (except Internet).....	3.4	3.1	3.2	3.1	2.9	3.2	0.9	0.5	2.2	1.5	3.2	3.0	0.9
5111	Newspaper, periodical, book, and directory publishers.....	X	2.7	2.5	3.1	3.2	3.1	X	1.4	X	1.0	X	3.0	X
51111	Newspaper publishers.....	X	4.2	4.1	4.1	4.3	4.3	X	1.2	X	1.3	X	4.2	X
51112	Periodical publishers.....	X	4.4	4.6	5.8	5.3	4.7	X	3.0	X	1.2	X	4.8	X
5111 pt	Book, directory and mailing list, and other publishers.....	X	3.8	3.4	3.0	4.4	3.7	X	2.2	X	1.6	X	3.9	X
5112	Software publishers.....	3.7	3.3	3.4	3.7	3.4	3.7	1.0	0.5	3.0	2.3	3.5	3.4	1.4
512	Motion picture and sound recording industries.....	2.2	2.7	2.6	1.5	1.9	1.7	1.8	1.5	1.1	1.4	2.0	1.7	0.9
515	Broadcasting (except Internet).....	X	1.0	0.7	0.7	0.9	0.9	X	0.5	X	0.8	X	0.8	X
5151	Radio and television broadcasting.....	X	2.3	1.6	1.4	1.4	1.5	X	0.9	X	1.1	X	1.5	X
5152	Cable and other subscription programming.....	X	1.1	1.1	1.0	1.8	1.8	X	0.1	X	0.7	X	1.5	X
517	Telecommunications.....	1.1	1.3	1.4	1.4	1.4	1.5	0.5	0.3	0.7	0.4	1.3	1.5	0.5
5171	Wired telecommunications carriers.....	1.8	1.9	2.0	2.0	2.0	2.0	0.6	0.4	0.9	0.6	1.9	2.0	0.7
5172	Wireless telecommunications carriers (except satellite).....	1.8	2.0	2.2	2.2	2.1	2.2	0.7	0.4	0.8	0.4	2.0	2.1	0.4
517 pt	Other telecommunications.....	X	4.8	5.3	4.9	4.7	4.5	X	0.8	X	0.9	X	4.4	X
518	Data processing, hosting, and related services.....	3.4	3.4	3.6	3.6	3.4	3.5	0.5	0.6	1.6	1.4	3.4	3.5	1.0
519	Other information services.....	5.2	5.0	4.4	4.2	4.4	4.1	1.3	1.8	4.3	3.5	4.6	4.1	2.5
52	Finance and insurance.....	1.8	1.7	1.8	1.6	2.2	2.1	0.2	0.2	0.6	0.5	1.7	2.1	0.5
52 pt	Finance and insurance (except monetary authorities-central bank).....	X	1.8	1.8	1.7	2.2	2.2	X	0.2	X	0.5	X	2.2	X
521	Monetary authorities-central bank.....	X	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0	X	0.0	X
522	Credit intermediation and related activities.....	2.6	2.8	3.4	2.5	2.4	2.5	0.6	0.6	1.0	1.3	2.8	2.4	1.0
5221	Depository credit intermediation.....	X	4.5	4.7	4.2	4.1	4.4	X	0.7	X	2.6	X	4.1	X
5222	Nondepository credit intermediation.....	X	4.2	4.6	4.3	4.1	4.2	X	0.8	X	1.7	X	4.0	X
5223	Activities related to credit intermediation.....	X	3.3	2.7	2.4	3.1	2.7	X	1.2	X	1.5	X	2.9	X
523	Securities, commodity contracts, and other financial investments and related activities.....	X	5.6	5.3	4.8	5.0	4.9	X	1.0	X	1.2	X	5.2	X
5231	Securities and commodity contracts intermediation and brokerage.....	X	10.7	8.8	10.9	11.6	10.8	X	2.4	X	2.0	X	11.1	X
5232	Securities and commodity exchanges.....	X	Z	Z	Z	Z	Z	X	Z	X	Z	X	Z	X
5239	Other financial investment activities.....	X	3.1	3.3	2.3	2.5	2.1	X	0.4	X	2.0	X	2.3	X
524	Insurance carriers and related activities.....	2.1	2.1	2.1	2.2	2.9	2.8	0.2	0.3	0.9	1.1	2.1	2.9	1.0
5241	Insurance carriers.....	X	2.6	2.5	2.6	3.5	3.4	X	0.4	X	1.2	X	3.4	X
5242	Agencies, brokerages, and other insurance related activities.....	X	2.3	2.0	2.1	1.9	2.5	X	1.0	X	1.5	X	2.3	X
53	Real estate and rental and leasing .....	S	1.4	1.4	1.5	1.6	1.4	S	0.7	S	0.5	S	1.4	S
531	Real estate.....	S	0.8	0.8	0.9	0.9	0.8	S	0.7	S	0.6	S	0.8	S
5311	Lessors of real estate.....	X	1.2	1.6	1.2	1.5	0.9	X	1.1	X	0.6	X	1.0	X
5312	Offices of real estate agents and brokers.....	X	3.0	3.4	3.0	2.9	2.8	X	3.6	X	1.6	X	2.6	X
5313	Activities related to real estate.....	X	3.5	2.6	2.8	3.1	2.6	X	1.7	X	2.4	X	2.8	X
532	Rental and leasing services.....	3.8	3.7	4.1	4.2	4.3	4.0	0.4	1.2	0.9	1.1	3.9	3.9	0.9
5321	Automotive equipment rental and leasing.....	X	2.5	3.4	2.2	1.8	1.5	X	1.4	X	1.2	X	1.6	X
53211	Passenger car rental and leasing.....	X	5.0	S	S	3.4	3.1	X	S	X	1.5	X	3.3	X
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing.....	X	3.7	4.0	4.2	3.8	3.6	X	1.0	X	1.0	X	3.8	X
5322	Consumer goods rental.....	X	8.1	10.5	10.5	9.7	9.0	X	4.9	X	5.3	X	8.3	X
5323	General rental centers.....	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing.....	X	8.3	8.7	8.5	8.1	7.6	X	2.5	X	3.3	X	7.7	X
533	Lessors of nonfinancial intangible assets (except copyrighted works).....	X	S	7.0	6.1	S	6.6	X	S	X	S	X	S	X



**Table A5. Selected Services - Advance Estimated Measures of Sampling Variability**  
 [Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change <sup>1</sup>				Year to Date		
												Coefficient of variation		Standard error
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
54	Professional, scientific, and technical services.....	3.2	3.3	2.8	2.6	2.4	2.3	0.5	0.6	0.9	1.5	3.0	2.2	1.0
5411	Legal services.....	4.5	4.2	3.7	3.6	3.4	3.5	1.3	1.4	1.7	3.7	3.9	3.2	1.5
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	4.3	2.4	1.9	1.2	2.7	2.5	2.8	1.9	2.0	1.5	1.7	1.9	1.0
5413	Architectural, engineering, and related services.....	4.3	4.3	4.8	3.7	4.7	4.9	0.9	1.8	1.5	0.9	4.2	4.2	0.8
5413 pt	Architectural and related services.....	X	7.3	7.2	6.8	6.3	7.3	X	1.9	X	1.6	X	6.6	X
54133	Engineering services.....	X	4.5	5.1	4.7	5.5	5.4	X	2.2	X	1.0	X	4.6	X
5414	Specialized design services.....	X	6.6	5.1	5.3	6.5	6.5	X	3.1	X	4.1	X	6.2	X
5415	Computer systems design and related services.....	5.5	5.4	4.4	4.0	2.8	2.9	1.1	1.2	2.9	3.3	4.8	2.8	2.6
5416	Management, scientific, and technical consulting services.....	3.3	3.2	3.4	3.2	3.7	4.1	1.5	1.3	1.0	1.4	3.2	3.7	0.6
5417	Scientific research and development services.....	X	10.1	8.6	9.5	8.9	9.2	X	2.1	X	2.4	X	8.6	X
5418	Advertising, public relations, and related services.....	2.7	2.5	2.3	2.4	2.7	2.9	1.0	1.3	2.0	1.3	2.4	2.5	1.3
5419	Other professional, scientific, and technical services.....	X	5	10.0	9.1	5	5	X	5	X	5	X	5	X
56	Administrative and support and waste management and remediation services.....	2.8	2.7	3.4	3.1	3.4	2.8	1.2	1.0	1.7	0.9	2.9	3.1	0.8
561	Administrative and support services.....	3.1	3.1	3.8	3.6	3.8	3.2	1.3	1.1	1.9	1.0	3.2	3.6	0.9
5613	Employment services.....	X	5.2	5.8	5.2	5.8	5.0	X	1.7	X	1.2	X	5.6	X
5615	Travel arrangement and reservation services.....	X	8.7	9.9	4.9	3.7	4.3	X	11.6	X	2.1	X	3.8	X
561 pt	Other administrative and support services.....	X	3.2	3.8	4.6	4.3	4.0	X	1.1	X	1.9	X	4.0	X
562	Waste management and remediation services.....	5	5.0	4.9	4.7	4.1	3.5	5	1.1	5	2.1	5	3.4	5
61	Educational services.....	4.3	5.3	4.1	3.3	3.1	4.0	2.8	4.3	2.6	1.9	3.8	3.3	1.4
6114	Business schools and computer and management training.....	X	11.4	7.9	7.3	6.5	6.8	X	5.6	X	6.4	X	6.4	X
6115	Technical and trade schools.....	X	10.1	10.4	8.7	7.1	7.1	X	7.3	X	4.4	X	6.8	X
6116	Other schools and instruction.....	X	11.5	7.9	7.5	6.5	8.7	X	6.8	X	4.5	X	7.2	X
6117	Educational support services.....	X	5.2	4.5	4.2	3.5	3.4	X	3.8	X	1.9	X	3.7	X
62	Health care and social assistance.....	2.3	2.2	1.8	2.1	2.0	1.6	0.6	0.6	0.7	0.7	2.1	1.7	0.4
	Health care and social assistance - taxable.....	2.7	2.8	2.5	2.5	2.6	2.2	0.5	0.7	0.3	0.6	2.6	2.3	0.4
	Health care and social assistance - tax-exempt.....	2.5	2.4	1.6	2.3	2.0	1.5	0.7	1.2	1.4	1.2	2.1	1.6	0.8
621	Ambulatory health care services.....	2.0	1.9	1.7	1.9	1.9	1.6	0.5	0.5	0.3	0.6	1.8	1.7	0.4
	Ambulatory health care services - taxable.....	2.4	2.3	2.0	2.2	2.2	1.8	0.5	0.7	0.4	0.6	2.2	1.9	0.4
	Ambulatory health care services - tax-exempt.....	5.2	4.7	4.2	5.2	4.8	4.5	0.7	1.4	0.8	1.1	4.8	4.6	1.2
6211	Offices of physicians - taxable.....	4.1	3.9	3.5	3.5	3.6	3.4	1.0	1.4	0.9	0.8	3.7	3.4	0.6
6212	Offices of dentists - taxable.....	X	5	5	3.7	5	5	X	5	X	5	X	5	X
6213	Offices of other health practitioners - taxable.....	X	5	5	7.3	5	6.2	X	5	X	5	X	5	X
6214	Outpatient care centers.....	2.6	2.3	2.4	2.6	2.5	2.7	1.1	0.7	0.6	1.2	2.4	2.6	0.8
	Outpatient care centers - taxable.....	X	3.0	3.3	2.9	2.8	3.2	X	1.7	X	1.7	X	3.0	X
	Outpatient care centers - tax-exempt.....	X	6.5	5.7	7.3	6.4	6.0	X	1.6	X	1.1	X	6.1	X
6215	Medical and diagnostic laboratories - taxable.....	3.5	4.0	4.3	4.3	3.9	3.9	0.9	1.6	1.7	1.1	3.9	4.0	0.8
6216	Home health care services.....	X	5.1	5.0	5.1	5.2	6.1	X	1.3	X	1.9	X	5.9	X
	Home health care services - taxable.....	X	6.3	6.5	6.3	6.1	7.2	X	1.2	X	2.9	X	7.0	X
	Home health care services - tax-exempt.....	X	5.3	5.5	5.0	5.5	5.9	X	1.9	X	2.4	X	5.6	X
6219	Other ambulatory health care services.....	5	2.4	2.4	2.4	2.4	2.4	5	1.0	5	1.5	5	2.6	5
	Other ambulatory health care services - taxable.....	X	2.2	2.6	1.8	2.0	1.8	X	0.9	X	1.9	X	2.1	X
	Other ambulatory health care services - tax-exempt.....	X	5.8	5.7	4.9	5	5.1	X	1.4	X	1.4	X	5	X
622	Hospitals.....	4.4	3.9	2.9	3.4	3.1	2.6	0.9	1.5	2.0	1.6	3.6	2.8	1.2
	Hospitals - taxable.....	12.2	11.8	13.0	11.8	11.5	10.9	0.3	1.1	0.8	1.4	12.2	11.3	1.3
	Hospitals - tax-exempt.....	3.7	3.2	2.0	2.7	2.4	1.9	1.1	1.7	2.3	1.7	2.8	2.0	1.3
6221	General medical and surgical hospitals.....	X	3.9	2.6	3.3	3.0	2.5	X	1.6	X	1.6	X	2.6	X
	General medical and surgical hospitals - taxable.....	X	12.1	13.4	12.5	12.1	11.5	X	1.4	X	1.5	X	11.8	X
	General medical and surgical hospitals - tax-exempt.....	X	3.3	2.0	2.7	2.4	1.9	X	1.8	X	1.8	X	2.1	X
6222	Psychiatric and substance abuse hospitals.....	X	5.8	6.0	5.4	5.4	5.3	X	0.7	X	1.0	X	5.3	X
	Psychiatric and substance abuse hospitals - taxable.....	X	7.3	7.2	7.2	7.4	7.4	X	0.4	X	1.7	X	7.4	X
	Psychiatric and substance abuse hospitals - tax-exempt.....	X	8.2	8.5	7.6	7.5	7.3	X	1.1	X	1.7	X	7.3	X
6223	Specialty (except psychiatric and substance abuse) hospitals.....	X	9.5	10.8	8.1	8.5	8.0	X	1.5	X	1.5	X	8.6	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable.....	X	16.9	18.4	15.3	15.1	14.3	X	2.2	X	2.9	X	15.2	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt.....	X	5.7	6.1	4.4	5.1	4.9	X	0.8	X	0.8	X	5.1	X
623	Nursing and residential care facilities.....	2.6	2.9	2.4	2.3	2.6	2.6	0.7	0.9	1.5	1.4	2.5	2.5	1.0
	Nursing and residential care facilities - taxable.....	5	3.1	2.8	2.5	2.8	2.7	5	1.0	5	1.9	5	2.7	5
	Nursing and residential care facilities - tax-exempt.....	3.7	4.2	3.5	3.6	3.8	3.1	1.0	1.6	1.0	1.3	3.7	3.5	0.9
624	Social assistance.....	6.3	5.8	3.4	3.6	3.7	3.4	2.2	3.2	3.9	3.5	4.7	3.4	2.1
	Social assistance - taxable.....	X	3.7	3.7	5	5	4.9	X	2.4	X	3.5	X	5	X
	Social assistance - tax-exempt.....	X	7.4	3.9	4.5	4.1	3.7	X	4.9	X	4.5	X	3.8	X
6241	Individual and family services.....	X	10.6	5.8	6.3	6.5	5.8	X	5.2	X	6.1	X	5.8	X
6242	Community food and housing, and emergency and other relief services.....	X	6.3	6.1	5.9	6.5	7.1	X	4.7	X	7.3	X	6.1	X
6243	Vocational rehabilitation services.....	X	9.3	10.1	11.0	16.2	12.8	X	4.2	X	4.1	X	13.0	X
6244	Child day care services.....	X	9.6	9.0	7.8	9.1	7.9	X	4.1	X	3.4	X	7.6	X
	Child day care services - taxable.....	X	11.5	5	5	10.2	9.6	X	5	X	4.9	X	5	X
	Child day care services - tax-exempt.....	X	11.1	13.0	9.9	14.3	13.3	X	12.9	X	5.3	X	12.0	X



Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change <sup>1</sup>				Year to Date		
												Coefficient of variation		Standard error
		4Q 2020 (a)	3Q 2020 (r)	2Q 2020 (r)	1Q 2020 (r)	4Q 2019 (r)	3Q 2019 (r)	4Q 2020 from 3Q 2020 (a)	3Q 2020 from 2Q 2020 (r)	4Q 2020 from 4Q 2019 (a)	3Q 2020 from 3Q 2019 (r)	2020 (a)	2019 (r)	2020 from 2019 (a)
71	Arts, entertainment, and recreation.....	4.7	4.5	5.2	4.0	3.1	2.4	1.5	2.6	1.7	1.6	4.4	2.8	1.2
	Arts, entertainment, and recreation - taxable.....	X	5.3	6.5	4.5	3.5	2.7	X	3.9	X	1.8	X	3.2	X
	Arts, entertainment, and recreation - tax-exempt.....	X	4.3	5.1	2.8	1.6	2.6	X	2.5	X	1.9	X	2.4	X
711	Performing arts, spectator sports, and related industries.....	5.8	9.3	10.1	8.4	5.1	2.9	4.8	6.2	2.4	3.5	7.9	5.0	2.0
	Performing arts, spectator sports, and related industries - taxable.....	X	9.9	11.4	9.8	5.6	2.8	X	7.4	X	3.7	X	5.5	X
	Performing arts, spectator sports, and related industries - tax-exempt.....	X	6.5	6.9	6.3	4.2	5.5	X	7.3	X	2.5	X	4.4	X
7111	Performing arts companies.....	X	4.7	6.5	5.4	4.9	5.2	X	4.2	X	1.8	X	4.0	X
	Performing arts companies - taxable.....	X	6.8	11.1	8.9	10.3	10.0	X	6.5	X	2.1	X	8.2	X
	Performing arts companies - tax-exempt.....	X	6.7	9.5	6.9	6.2	5.4	X	5.7	X	3.8	X	4.8	X
7112	Spectator sports - taxable.....	X	11.8	6.0	14.7	6.6	3.8	X	10.7	X	6.0	X	7.6	X
7113	Promoters of performing arts, sports, and similar events.....	X	9.9	11.2	4.8	5.9	6.8	X	32.8	X	2.3	X	6.5	X
	Promoters of performing arts, sports, and similar events - taxable.....	X	11.4	14.1	6.0	6.9	7.1	X	73.5	X	2.5	X	6.9	X
	Promoters of performing arts, sports, and similar events - tax-exempt.....	X	9.6	14.2	7.1	6.9	10.0	X	33.2	X	2.4	X	7.1	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures - Independent artists, writers, and performers - taxable.....	X	11.3	7.3	4.2	3.8	3.5	X	6.0	X	5.0	X	6.5	X
7115	Independent artists, writers, and performers - taxable.....	X	5	19.2	12.5	12.6	9.7	X	5	X	5	X	10.8	X
712	Museums, historical sites, and similar institutions.....	6.6	7.3	4.9	8.8	3.2	4.5	4.5	4.9	5.0	4.1	5.6	3.9	1.8
	Museums, historical sites, and similar institutions - tax-exempt.....	X	7.5	5.2	8.6	3.1	4.8	X	4.6	X	4.7	X	4.0	X
713	Amusement, gambling, and recreation industries.....	7.2	6.7	7.6	5.1	4.8	3.7	1.9	2.6	1.9	2.0	6.4	4.5	1.4
	Amusement, gambling, and recreation industries - taxable.....	X	8.0	10.0	5.9	5.5	4.4	X	3.5	X	2.3	X	5.2	X
	Amusement, gambling, and recreation industries - tax-exempt.....	X	4.9	7.1	4.6	3.8	4.4	X	6.3	X	2.2	X	4.4	X
7131	Amusement parks and arcades - taxable.....	X	14.7	22.1	4.7	3.5	5.8	X	20.7	X	4.4	X	4.7	X
7132	Gambling industries - taxable.....	X	18.4	28.6	15.7	13.9	12.8	X	14.8	X	4.3	X	13.9	X
7139	Other amusement and recreation industries.....	X	4.8	5.0	5.0	5.0	4.5	X	3.9	X	1.2	X	5	X
	Other amusement and recreation industries - taxable.....	X	6.0	6.0	5.9	5	5	X	5.4	X	5	X	5	X
	Other amusement and recreation industries - tax-exempt.....	X	4.9	7.1	4.6	3.8	4.4	X	6.3	X	2.2	X	4.4	X
721	Accommodation.....	1.6	2.1	2.4	1.8	1.4	2.2	0.8	2.0	0.6	0.7	1.6	1.7	0.5
7211	Traveler accommodation.....	X	2.1	2.4	1.7	1.4	2.2	X	2.3	X	0.7	X	1.8	X
7212	RV (recreational vehicle) parks and recreational camps.....	X	2.7	8.0	3.8	3.7	3.6	X	10.2	X	3.1	X	2.9	X
7213	Rooming and boarding houses.....	X	11.8	15.7	15.9	14.8	15.9	X	16.6	X	6.1	X	13.8	X
81	Other services (except public administration).....	3.2	3.2	3.4	3.4	2.2	1.5	1.8	1.6	1.9	2.2	2.9	1.8	1.2
811	Repair and maintenance.....	3.4	3.8	2.9	2.2	2.5	2.5	1.4	1.9	1.9	2.4	2.9	2.4	1.2
8111	Automotive repair and maintenance.....	X	6.3	5.9	5.5	6.1	5.4	X	3.0	X	2.6	X	5.4	X
8112	Electronic and precision equipment repair and maintenance.....	X	3.6	3.7	4.2	5.3	4.3	X	1.1	X	1.6	X	3.9	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and Personal and household goods repair and maintenance.....	X	11.3	10.8	10.5	12.6	11.5	X	3.5	X	4.8	X	11.3	X
8114	Personal and household goods repair and maintenance.....	X	5	5	14.2	9.1	9.7	X	5	X	5	X	5	X
812	Personal and laundry services.....	5	2.8	2.0	5	5	5	5	1.6	5	5	5	5	5
8121	Personal care services.....	X	5	5	5	5	5	X	5	X	5	X	5	X
8122	Death care services.....	X	6.6	5.1	5.7	4.6	5.1	X	2.9	X	6.2	X	4.3	X
8123	Drycleaning and laundry services.....	X	4.3	4.5	4.8	5.1	5.2	X	1.0	X	1.6	X	5.1	X
8129	Other personal services.....	X	5	5	5	5	5	X	5	X	5	X	5	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt.....	X	6.2	6.7	8.6	4.9	4.7	X	3.0	X	3.0	X	4.7	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Corresponding estimate in Table A4 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

X Estimate in Table A4 is not available for advance release.

(1) Additional estimated measures of sampling variability may be found at

<https://www.census.gov/econ/currentdata/dbsearch?program=QSS&startYear=2003&endYear=2020&categories=000000A&dataType=QREV&geoLevel=US&adjusted=1&notAdjusted=0&errorData=0>.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates.

Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at

[www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).



## EXPLANATORY NOTES

### Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2012 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	38
22	Utilities	42
48-49	Transportation and warehousing	36
51	Information	29
52	Finance and insurance	27
53	Real estate and rental and leasing	5
54	Professional, scientific, and technical services	43
56	Administrative and support and waste management and remediation services	50
61	Educational services	47
62	Health care and social assistance	44
71	Arts, entertainment, and recreation	43
721	Accommodation	52
81	Other services (except public administration)	45

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at <[www.census.gov/services/](http://www.census.gov/services/)>.

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## Description of Seasonal Adjustment

To derive the seasonally adjusted revenue estimates published in this report, we used all available quarterly revenue estimates as input to the Census Bureau's X-13 ARIMA-SEATS program. With each non-advance quarterly release, we publish preliminary seasonally adjusted estimates for the current quarter and revised seasonally adjusted estimates for the previous five quarters. The seasonal adjustment models used to derive seasonal factors for each kind of business are evaluated annually and will not be revised until the next benchmarking operation. For a table of the seasonal adjustment factors, see <[www.census.gov/services/qss/qssseasfactors.xlsx](http://www.census.gov/services/qss/qssseasfactors.xlsx)>. A list of "Frequently Asked Questions" on seasonal adjustment of QSS estimates is available at <[www.census.gov/services/qss/seasonally\\_adjusted\\_faqs](http://www.census.gov/services/qss/seasonally_adjusted_faqs)>.

## Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Tables A2 and A5 of this report.

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The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is  $\pm 1.5$  percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected](http://www.census.gov/services/qss/how_the_data_are_collected).

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